

## ABSTRACT OF THE DISCLOSURE

5 A high-frequency amplifier in a power amplifier module includes, on a substrate on which the amplifier is formed, first- and second-stage amplifiers for receiving and amplifying an input signal, a harmonic processing circuit for matching of harmonics included in an output signal from the second-stage amplifier, and a low-pass filter receiving an output from the harmonic processing circuit to selectively pass a signal to be supplied to a non-reciprocal circuit element using a predetermined frequency as a cutoff frequency.